

On page 50, line 3, please insert the following:

^{A6} ~~✓~~ A multicomponent system for use with detergents comprising at least one suitable oxidizing agent; at least one mediator selected from the group consisting of hydroxylamines, hydroxylamine derivatives, hydroxamic acids, hydroxamic acid derivatives, and aliphatic, cycloaliphatic, heterocyclic or aromatic compounds that contain at least one N-hydroxy, oxime, N-oxy, or N,N'-dioxy function; and at least one comediator selected from the group consisting of aryl-substituted alcohols, carbonyl compounds, aliphatic ethers, phenol ethers, and olefins (alkenes). The multicomponent system may further comprise at least one oxidation catalyst and/or a predetermined amount of at least one free amine of a respective mediator. ~~UN~~

IN THE CLAIMS:

Please amend the claims as follows:

- ^{A7} 1. (Amended) A multicomponent system for use with detergents[, containing] comprising
- a) optionally, at least one oxidation catalyst;
 - b) at least one suitable oxidizing agent;
 - c) at least one mediator, selected from the group [comprising] consisting of hydroxylamines, hydroxylamine derivatives, hydroxamic acids, hydroxamic acid derivatives, and [the] aliphatic, cycloaliphatic, heterocyclic or aromatic compounds that contain at least one N-hydroxy, oxime, N-oxy, or N,N'-dioxy function; and
 - d) at least one comediator, selected from the group [comprising] consisting of aryl-substituted alcohols, carbonyl compounds, aliphatic ethers, phenol ethers, and[/or] olefins (alkenes)[; and]
 - [e) optionally, a small quantity of at least one free amine of a respective mediator used].

2. (Amended) The multicomponent system of claim 1, [characterized in that in addition to the these substances, it contains] further comprising phenolic and/or nonphenolic compounds with one or more benzene nuclei.

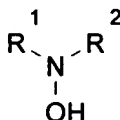
3. (Amended) The multicomponent system of claim 1, wherein the oxidation catalyst is selected from the group consisting of [or 2, characterized in that as the oxidation catalyst, it contains] one or more oxidoreductases of classes 1.1.1 - 1.97.

4. (Amended) The multicomponent system of claim 3, wherein the system comprises [characterized in that it contains] one or more oxidoreductases which use oxygen, peroxides or quinones as electron acceptors.

5. (Amended) The multicomponent system of claim 3, [characterized in that as the oxidoreductase, it contains a laccase (1.10.3.2.)] wherein the oxidoreductase is a laccase of class 1.10.3.2.

6. (Amended) The multicomponent system of claim 1 [or 2], [characterized in that] wherein component c) comprises the aliphatic, cycloaliphatic, heterocyclic or aromatic compounds that contain at least one N-hydroxy, oxime, N-oxy and N,N'-dioxy function [, as the NO-, NOH- or H-NR- OH-containing aliphatic, cycloaliphatic, heterocyclic or aromatic compounds, it contains N-hydroxy, oxime, N-oxy and N,N'-dioxy compounds] in single- or multicomponent systems.

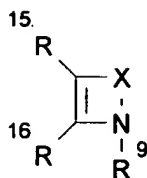
7. (Amended) The multicomponent system of claim 6, wherein the component c), [characterized in that component c),] as the NO-, NOH- or H-NR-OH- containing compounds, [contains] comprises hydroxylamines of the general formula I



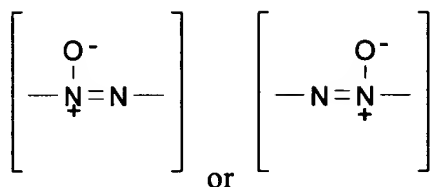
in which the substituents R¹ and R², which may be the same or different, independently of one other represent one of the following groups: hydrogen, C₁-C₁₂ alkyl, carbonyl C₁-C₆ alkyl, phenyl, aryl, of which C₁-C₁₂ alkyl, carbonyl C₁-C₆ alkyl, phenyl, aryl may be unsubstituted or may also be substituted once or multiple times with the radical R³,

in which the radical R³ may represent one of the following groups: hydrogen, halogen, hydroxyl, formyl, carboxyl and salts and esters thereof, amino, nitro, C₁-C₁₂ alkyl, C₁-C₆ alkyloxy, carbonyl C₁-C₆ alkyl, phenyl, sulfono, their esters and salts, sulfamoyl, carbamoyl, phospho, phosphono, phosphonooxy and their salts and esters; in which the amino, carbamoyl and sulfamoyl groups of the radical R³ may be unsubstituted or may be substituted [once] one or two times with hydroxyl, C₁-C₃ alkyl, C₁-C₃ alkoxy; in which the radicals R¹ and R² can jointly form a group-B-, and -B- in that case represents one of the following groups: (-CHR⁴-)_n, (CR⁴=CH-)_m; and in which R⁴ is a substituent that is defined [line] like R³, and n represents an integer from 1 to 6 and m represents an integer from 1 to 3.

8. (Amended) The multicomponent system of claim 6, wherein component c) [characterized in that component c)], as the NO-, NOH- or H-NR-OH- containing compounds, [contains] comprises substances of the general formula II



in which X stands for one of the following groups: $(-N=N-)$, $(-N=CR^{10}-)_p$, $(-CR^{10}=N-)_p$, $(-CR^{11}=CR^{12}-)_p$



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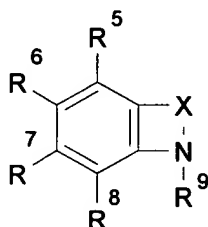
and p is equal to 1 or 2, in which the radicals R^9 to R^{12} , R^{15} and R^{16} may be the same or different and independently of one another can represent one of the following groups: hydrogen, halogen, hydroxyl, formyl, carboxyl and salts and esters thereof; amino, nitro, C_1 - C_{12} alkyl, C_1 - C_6 alkyloxy, carbonyl C_1 - C_6 alkyl, phenyl, sulfono esters and salts thereof, sulfamoyl, carbamoyl, phospho, phosphono, phosphonooxy and their salts and esters; and in which the amino, carbamoyl and sulfamoyl groups of the radicals R^9 to R^{12} , R^{15} and R^{16} may be unsubstituted or may also be substituted [once] one or two times with hydroxyl, C_1 - C_3 alkyl, C_1 - C_3 alkoxy; and in which the radicals R^{15} and R^{16} can form a common group $-G-$, and $-G-$ represents one of the following groups: $(-CR^5=CR^6-CR^7=CR^8-)$ or $(-CR^8=CR^7-CR^6=CR^5-)$, in which the radicals R^5 to R^8 may be the same or different and independently of one another can represent one of the following groups: hydrogen, halogen, hydroxyl, formyl, carboxyl and salts and esters thereof; amino, nitro, C_1 - C_{12} alkyl, C_1 - C_6 alkyloxy, carbonyl C_1 - C_6 alkyl, phenyl, sulfono, esters and salts thereof, sulfamoyl, carbamoyl, phospho, phosphono, phosphonooxy and their salts and esters, and in which the amino, carbamoyl and sulfamoyl groups of the radicals R^5 to R^8 may be unsubstituted or may also be substituted [once] one or two times with hydroxyl, C_1 - C_3 alkyl, C_1 -

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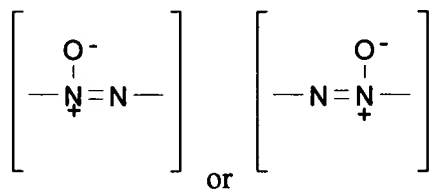
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C₃ alkoxy; and in which the C₁-C₁₂ alkyl, C₁-C₆ alkyloxy, carbonyl C₁-C₆ alkyl, phenyl, aryl groups of radicals R⁵ to R⁸ may be unsubstituted or may also be substituted one or two times with the radical R¹⁸; in which the radical R¹⁸ can represent one of the following groups: hydrogen, halogen, hydroxyl, formyl, carboxyl and their salts and esters; amino, nitro, C₁-C₁₂ alkyl, C₁-C₆ alkyloxy, carbonyl C₁-C₆ alkyl, phenyl, aryl, and their esters and salts, and the carbamoyl, sulfamoyl, amino groups of the radical R¹⁸ may be unsubstituted or may also be substituted [once] one or two times with the radical R¹⁹ and the radical R¹⁹ may represent one of the following groups: hydrogen; hydroxyl, formyl, carboxyl and their salts and esters; amino, nitro, C₁-C₁₂ alkyl, C₁-C₆ alkyloxy, carbonyl C₁-C₆ alkyl, phenyl, aryl.

9. (Amended) The multicomponent system of claim 6, wherein component c) [characterized in that the component c)], as the NO-, NOH- or H-NR- OH-containing compounds, [contains] comprises a compound[s] of the general formula III,



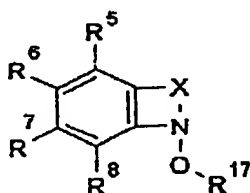
in which X stands for one of the following groups: (-N=N-), (-N=CR¹⁰-)_p, (-CR¹⁰=N-)_p, (-CR¹¹=CR¹²-)_p



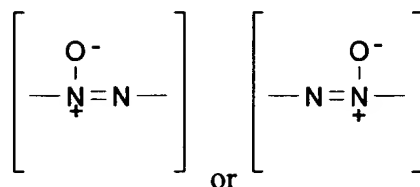
and p is equal to 1 or 2,

in which the radicals R^1 to R^{12} are same or different and independently of one another can represent one of the following groups: hydrogen, halogen, hydroxyl, formyl, carboxyl and salts and esters thereof; amino, nitro, C_1 - C_{12} alkyl, C_1 - C_6 alkyloxy, carbonyl C_1 - C_6 alkyl, phenyl, aryl, sulfono, esters and salts thereof, sulfamoyl, carbamoyl, phospho, phosphono, phosphonooxy and their salts and esters; and in which their amino, carbamoyl and sulfamoyl groups may be unsubstituted or may also be substituted [once] one or two times with hydroxy, C_1 - C_3 alkyl, C_1 - C_3 alkoxy; and in which the C_1 - C_{12} alkyl, C_1 - C_6 alkyloxy, carbonyl C_1 - C_6 alkyl, phenyl, aryl, aryl C_1 - C_6 alkyl groups of radicals R^5 to R^{12} may be unsubstituted or substituted [once] one or two times with the radical R^{13} , and the radical R^{13} can represent one of the following groups: hydrogen, halogen, hydroxyl, formyl, carboxyl and their salts and esters; amino, nitro, C_1 - C_{12} alkyl, C_1 - C_6 alkyloxy, carbonyl C_1 - C_6 amino, nitro, C_1 - C_{12} alkyl, C_1 - C_6 alkyloxy, carbonyl C_1 - C_6 alkyl, phenyl, aryl, sulfono, sulfeno, sulfino, and their esters and salts; the [The] carbamoyl, sulfamoyl, amino groups of the radical R^{13} may be unsubstituted or may also be substituted [once] one or two times with the radical R^{14} [The] ; the radical R^{14} may represent one of the following groups: hydrogen; hydroxyl, formyl, carboxyl and their salts and esters; amino, nitro, C_1 - C_{12} alkyl, C_1 - C_6 alkyloxy, carbonyl C_1 - C_6 alkyl, phenyl or aryl.

10. (Amended) The multicomponent system of claim 6, wherein component c) [characterized in that the component c)], as the NO-, NOH- or H-NR- OH-containing compounds, [contains compounds] , comprises a compound of the general formula IV,



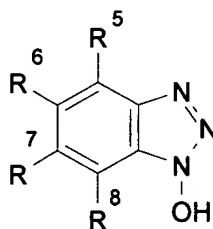
in which X stands for one of the following groups: $(-N=N-)$, $(-N=CR^{10}-)_p$, $(-CR^{10}=N-)_p$,
 $(-CR^{11}=CR^{12}-)_p$



and p is equal to 1 or 2,

in which [for] the radicals R^5 to R^8 and R^{10} to R^{12} [the same as in claim 9 applies] are defined as above, and R^{17} can be hydrogen, C_1 - C_{10} alkyl, C_1 - C_{10} carbonyl, of which C_1 - C_{10} alkyl and C_1 - C_{10} carbonyl can be unsubstituted or mono- or polysubstituted with a radical R^{18} , which is defined like R^3 .

11. (Amended) The multicomponent system of claim 6, wherein the component c)
[characterized in that component c)], as the NO-, NOH- or H-NR-OH- containing compounds,
[contains] comprises 1-hydroxybenzotriazol and [the] tautomeric benzotriazole-1-oxide, [as well
as] in addition to their esters and salts, of the formula V



in which the radicals R^1 to R^8 may be the same or different and independently of one another can represent one of the following groups: hydrogen, halogen, hydroxyl, formyl, carboxyl and salts

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and esters thereof; amino, nitro, C₁-C₁₂ alkyl, C₁-C₆ alkyloxy, carbonyl C₁-C₆ alkyl, phenyl, sulfono esters and salts thereof, sulfamoyl, carbamoyl, phospho, phosphono, phosphonooxy and their salts and esters; and in which the amino, carbamoyl and sulfamoyl groups of the radicals R⁵ to R⁸ may be unsubstituted or may also be substituted [once] one or two times with hydroxyl, C₁-C₃ alkyl, C₁-C₃ alkoxy; and in which the C₁-C₁₂ alkyl, C₁-C₆ alkyloxy, carbonyl C₁-C₆ alkyl, phenyl, aryl groups of radicals R⁵ to R⁸ may be unsubstituted or may also be substituted or mono- or polysubstituted with the radical R¹⁸, in which the radical R¹⁸ can represent one of the following groups: hydrogen, halogen, hydroxyl, formyl, carboxyl and their salts and esters; amino, nitro, C₁-C₁₂ alkyl, C₁-C₆ alkyloxy, carbonyl C₁-C₆ alkyl, phenyl, aryl, sulfono, sulfeno, sulfino, and their esters and salts, and the carbamoyl, sulfamoyl, amino groups of the radical R¹⁸ may be unsubstituted or may also be substituted [once] one or two times with the radical R¹⁹, and the radical R¹⁹ may represent one of the following groups: hydrogen, hydroxyl, formyl, carboxyl and their salts and esters; amino, nitro, C₁-C₁₂ alkyl, C₁-C₆ alkyloxy, carbonyl C₁-C₆ alkyl, phenyl, aryl.

12. (Amended) The multicomponent system of claim 6, wherein component c) [characterized in that component c)], as the NO-, NOH- or H-NR-OH- containing compounds, [contains such] comprises compounds of azoles.

13. (Amended) The multicomponent system of claim 6, wherein component c) [characterized in that component c)], as the NO-, NOH- or H-NR-OH- containing compounds, [contains such]

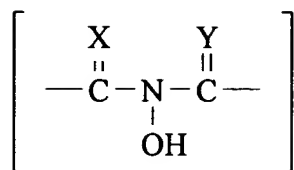
comprises compounds of condensed heterocyclic compounds which [contain] comprise a triazolo or tetrazolo unit[, such as:] selected from the group consisting of:

[1,2,4]triazolo[4,3-a]pyridine,
 [1,2,4]triazolo[1,5-a]pyridine,
 [1,2,4]triazolo[4,3-a]quinoline,
 [1,2,4]triazolo[4,3-b]isoquinoline,
 [1,2,4]triazolo[3,4-a]isoquinoline,
 [1,2,4]triazolo[1,5-b]isoquinoline,
 [1,2,4]triazolo[5,1-a]isoquinoline,
 [1,2,3]triazolo[1,5-a]pyridine,
 [1,2,3]triazolo[4,5-b]pyridine,
 [1,2,3]triazolo[4,5-c]pyridine,
 [1,2,3]triazolo[1,5-a]quinoline,
 [1,2,3]triazolo[5,1-a]isoquinoline,
 [1,2,4]triazolo[4,3-b]pyridazine,
 [1,2,4]triazolo[1,5-b]pyridazine,
 [1,2,4]triazolo[4,5-d]pyridazine,
 [1,2,4]triazolo[4,3-b]quinoline,
 [1,2,4]triazolo[3,4-a]phthalazine,
 [1,2,4]triazolo[4,3-a]pyrimidine,
 [1,2,4]triazolo[4,3-c]pyrimidine,
 [1,2,4]triazolo[1,5-a]pyrimidine,
 [1,2,4]triazolo[1,5-c]pyrimidine,

[1,2,4]triazolo[4,3-c]quinazoline,
 [1,2,4]triazolo[1,4-a]quinazoline,
 [1,2,4]triazolo[1,5-c]quinazoline,
 [1,2,4]triazolo[5,1-b]quinazoline,
 [1,2,3]triazolo[1,5-a]pyrimidine,
 [1,2,3]triazolo[1,5-c]pyrimidine,
 [1,2,3]triazolo[4,5-d]pyrimidine,
 [1,2,3]triazolo[1,5-a]quinazoline,
 [1,2,3]triazolo[1,5-c]quinazoline,
 [1,2,4]triazolo[4,3-a]pyrazine,
 [1,2,4]triazolo[1,5-a]pyrazine,
 [1,2,3]triazolo[4,5-b]pyrazine,
 [1,2,4]triazolo[4,3-a]quinoxaline,
 [1,2,3]triazolo[1,5-a]quinoxaline,
 [1,2,4]triazolo[4,3-b][1,2,4]triazine,
 [1,2,4]triazolo[3,4-c][1,2,4]triazine,
 [1,2,4]triazolo[4,3-d][1,2,4]triazine,
 [1,2,4]triazolo[3,4-f][1,2,4]triazine,
 [1,2,4]triazolo[1,5-b][1,2,4]triazine,
 [1,2,4]triazolo[5,1-c][1,2,4]triazine,
 [1,2,4]triazolo[1,5-d][1,2,4]triazine,
 [1,2,4]triazolo[4,3-a][1,3,5]triazine,
 [1,2,4]triazolo[1,5-a][1,3,5]triazine,

tetrazolo[1,5-a]pyridine,
 tetrazolo[1,5-b]isoquinoline,
 tetrazolo[1,5-a]quinoline,
 tetrazolo[5,1-a]isoquinoline,
 tetrazolo[1,5-b]pyridazine,
 tetrazolo[1,5-b]quinoline,
 tetrazolo[5,1-a]phthalazine,
 tetrazolo[1,5-a]pyrimidine,
 tetrazolo[1,5-c]pyrimidine,
 tetrazolo[1,5-a]quinazoline,
 tetrazolo[1,5-c]quinazoline,
 tetrazolo[1,5-a]pyrazine,
 tetrazolo[1,5-a]quinoxaline,
 tetrazolo[1,5-b][1,2,4]triazine,
 tetrazolo[5,1-c][1,2,4]triazine,
 tetrazolo[1,5-d][1,2,4]triazine, and
 tetrazolo[5,1-f][1,2,4]triazine.

14. (Amended) The multicomponent system of claim 6, wherein component c) [characterized in that as mediators (component c)], as the NO-, NOH- or H-RN-OH-containing compounds [are] , is selected from the group of consisting of cyclical N-hydroxy compounds having at least one optionally substituted 5- or 6-member ring of the structure given in formula A:



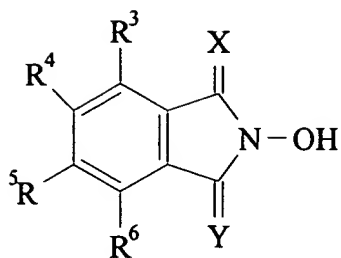
Formula A

as well as their salts, ethers or ester, in which X and Y are the same or different and stand for O, S or NR¹, in which

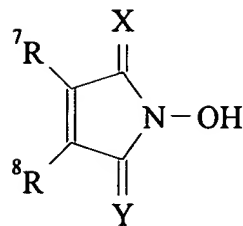
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R¹ stands for hydrogen, hydroxyl, formyl, carbamoyl, or sulfono radical, or ester or salt of the sulfono radical, sulfamoyl, nitro, amino, phenyl, aryl C₁-C₅ alkyl, C₁-C₁₂ alkyl, C₁-C₅ alkoxy, C₁-C₁₀ carbonyl, carbonyl C₁-C₆ alkyl, phospho, phosphono or phosphonooxy radical, or ester or salt of the phosphonooxy radical;

in which carbamoyl, sulfamoyl, amino and phenyl radicals may be unsubstituted or substituted once or multiple times with a radical R², and the aryl C₁-C₅ alkyl, C₁-C₁₂ alkyl, C₁-C₅ alkoxy, C₁-C₁₀ carbonyl, carbonyl C₁-C₆ alkyl radicals may be saturated or unsaturated, branched or unbranched, and substituted once or multiple times with a radical R², and R² is the same or different and stands for hydroxyl, formyl, or carboxyl radical, ester or salt of the carboxyl radical, carbamoyl, sulfono ester or salt of the sulfono radical, sulfamoyl, nitro, amino, phenyl, C₁-C₅ alkyl, C₁-C₅ alkoxy radical.

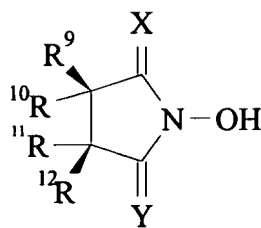
15. (Amended) The multicomponent system of claim 6 [or 14], wherein [characterized in that] as the mediator [(component c)] at least one compound of the general formula VI, VII, VIII or IX is used:



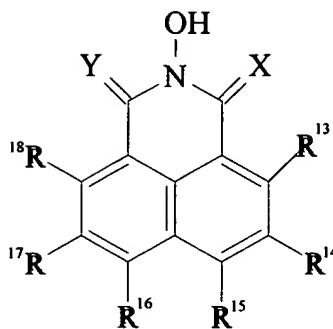
VI



VII



VIII



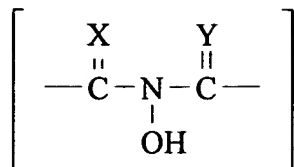
IX

in which X, Y [have the meanings already given] are defined as above and the radicals R^3 to R^{18} are the same or different and stand for halogen radical, carboxyl radical, salt or ester of a carboxyl radical, or the meaning given for R^1 ;

in which R^9 and R^{10} , or R^{11} and R^{12} , must not at the same time stand for a hydroxyl or amino radical, and

optionally two at a time of the substituents R^3 to R^6 , R^7 to R^8 , R^9 to R^{12} , R^{13} to R^{18} can be linked together into a ring -B-, in which -B- has one of the following meanings:

$(-CH=CH)-_n$, where $n = 1-3$, $-CH=CH-CH=N-$, or



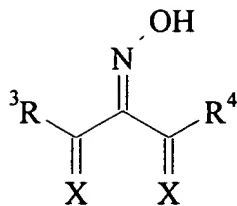
Formula A

A7 and in which optionally the radicals R⁹ to R¹² may also be linked to one another by one or two bridge elements -Q-, in which -Q- may be the same or different and can have the following meanings: -O-, -S-, CH₂-, -CR¹⁹=CR²⁰-;

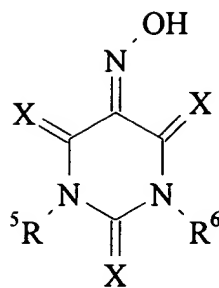
in which R¹⁹ and R²⁰ are the same or different and have the same meaning as R³.

[09/029,401-020800] 16. (Amended) The multicomponent system of claim 6, [14, 15,] wherein component c) [characterized in that] as the mediator comprises, at least one substance, selected from the group [comprising] consisting of N- hydroxyphthalimide, optionally substituted N-hydroxyphthalimide derivatives, N-hydroxymaleimide, optionally substituted N-hydroxymaleimide derivatives, N- hydroxynaphthalic acid imide, optionally substituted N-hydroxynaphthalic acid imide derivatives, N- hydroxysuccinimide, and optionally substituted N-hydroxysuccinimide derivatives[, is used].

17. (Amended) The multicomponent bleaching system of claim 6, wherein the component c) [characterized in that] as the mediators [(component c),] comprises oxime[s] of the general formula X or XI



X



XI

and their salts, ethers or esters [are used], in which X is the same or different and stands for O, S or NR¹, in which

R¹ stands for hydrogen, hydroxyl, formyl, carbamoyl, or sulfono radical, or ester or salt of the sulfono radical, sulfamoyl, nitro, amino, phenyl, aryl C₁-C₅ alkyl, C₁-C₁₂ alkyl, C₁-C₅ alkoxy, C₁-C₁₀ carbonyl, carbonyl C₁-C₆ alkyl, phospho, phosphono or phosphonooxy radical, or ester or salt of the phosphonooxy radical,

in which carbamoyl, sulfamoyl, amino and phenyl radicals may be unsubstituted or substituted once or multiple times with a radical R², and the aryl C₁-C₅ alkyl, C₁-C₁₂ alkyl, C₁-C₅ alkoxy, C₁-C₁₀ carbonyl, carbonyl C₁-C₆ alkyl radicals may be saturated or unsaturated, branched or unbranched, and substituted once or multiple times with a radical

R², and R² is the same or different and stands for hydroxyl, formyl, or carboxyl radical, ester or salt of the carboxy radical, carbamoyl, sulfono ester or salt of the sulfono radical, sulfamoyl, nitro, amino, phenyl, C₁-C₅ alkyl, C₁-C₅ alkoxy radical, and

the radicals R³ and R⁴ are the same or different and stand

for halogen, carboxyl radical, ester or salt of the carboxyl radical, or have the meanings given for R¹, or are linked together into a ring (-CR⁷R⁸)_n, where n is equal to 2, 3 or 4, and

R⁵ and R⁶ have the meanings given for R₁, and

R^7 and R^8 are the same or different and stand for halogen, carboxyl radical, ester or salt of the carboxyl radical, or have the meanings given for R^1 .

18. (Amended) The multicomponent bleaching system of claim 6 [one of claims 6 or 17], wherein [characterized in that] as the mediator, compounds of the general formula X, in which X stands for O or S, and the other radicals have the above-given meanings, are used.

19. (Amended) The multicomponent system of claim 6 [one of claims 6, 17 or 18], wherein [characterized in that] as the mediator, isonitroso derivatives of cyclical ureides of the general formula XI are used.

20. (Amended) The multicomponent bleaching system of claim 6, wherein [one of claims 6, 17 to 19, characterized in that] as the mediator, alloxane-5-oxime hydrate (violuric acid) or its esters or salts are used as mediators.

21. (Amended) The multicomponent system of claim 1, wherein the oxidizing agent is selected from the group consisting of [or 2, characterized in that as the oxidizing agent, it contains for instance] air, oxygen, ozone, H_2O_2 , organic peroxides, peracids, such as peracetic acid, performic acid, persulfuric acid, pernitric acid, metachloroperoxybenzoic acid, perchloric acid, perborates, peracetates, persulfates, peroxides, [or] and oxygen species and their free radicals such as OH, OOH, superoxide (O_2^-) radicals, [siglet] singlet oxygen, ozonide, dioxygenyl cation (O_2^+), dioxiranes, dioxitanes, [or] and Fremy radicals.

22. (Amended) The multicomponent system of claim 1 [or 2], wherein component d) comprises [characterized in that as component d), it contains] aliphatic ethers and/or aryl-substituted alcohols[, such as:] selected from the group consisting of 2,3- dimethoxybenzyl alcohol, 3,4- dimethoxybenzyl alcohol, 2,4- dimethoxybenzyl alcohol, 2,6-dimethoxybenzyl alcohol, homovanillyl alcohol, ethylene glycol monophenyl ether, 2- hydroxybenzyl alcohol, 4- hydroxybenzyl alcohol, 4-hydroxy-3- methoxybenzyl alcohol, 2-methoxybenzyl alcohol, 2,5- dimethoxybenzyl alcohol, 2,4-dimethoxybenzylamine, 2,4- dimethoxybenzylamine hydrochloride, veratryl alcohol, and coniferyl alcohol.

23. (Amended) The multicomponent system of claim 1 [or 2], wherein component d) comprises [characterized in that as component (d), it contains] olefins (alkenes)[, such as:] selected from the group consisting of 2-allylphenol, 2-allyl-6-methylphenol, allylbenzene, 3,4- dimethoxypropanylbenzene, p-methoxystyrene, 1-allylimidazol, 1-vinylimidazol, styrene, stilbene, allylphenyl ether, cinnamic acid benzyl ester, cinnamic acid methyl ester, 2,4,6- triallyloxy-1,3,5-triazine, 1,2,4- trivinylcyclohexane, 4-allyl-1,2-dimethoxybenzene, 4-tert- butylbenzoic acid vinyl ester, squalene, benzoin allyl ether, cyclohexene, dihydropyran, and N- benzylcinnamic acid anilide.

24. (Amended) The multicomponent system of claim 1 [or 2], wherein component d) comprises [characterized in that as component (d), it contains] phenol ethers[, such as:] selected from the group consisting of 2,3-dimethoxybenzyl alcohol, 3,4- dimethoxybenzyl alcohol, 2,4- dimethoxybenzyl alcohol, 2,6- dimethoxybenzyl alcohol, homovanillyl alcohol, 4- hydroxybenzyl alcohol, 4-hydroxy-3-methoxybenzyl alcohol, 2- methoxybenzyl alcohol, 2,5-

dimethoxybenzyl alcohol, 2,4- dimethoxybenzylamine, 2,4-dimethoxybenzylamine hydrochloride, veratryl alcohol, coniferyl alcohol, veratrol, and anisol.

25. (Amended) The multicomponent system of [claim 1 or 2,] claim 1, wherein component d) comprises [characterized in that as component (d), it contains] carbonyl compounds[, such as:] selected from the group consisting of 4-aminobenzophenone, 4-acetylbiphenyl, benzophenone, benzil, benzophenone hydrazone, 3,4- dimethoxybenzaldehyde, 3,4-dimethoxybenzoic acid, 3,4-dimethoxybenzophenone, 4-dimethylaminobenzaldehyde, 4- acetylbiphenylhydrazone, benzophenone-4-carboxylic acid, benzoyl acetone, bis-(4,4-dimethylamino)benzophenone, benzoin, benzoin oxime, N-benzoyl-N-phenylhydroxylamine, 2- amino-5-chlorobenzophenone, 3-hydroxy-4-methoxybenzaldehyde, 4-methoxybenzaldehyde, anthraquinone-2-sulfonic acid, 4-methylaminobenzaldehyde, benzaldehyde, benzophenone-2- carboxylic acid, 3,3,'4,4'- benzophenonetetracarboxylic acid dianhydride, (S)-(-)-2-(N-benzylpropyl)aminobenzo-henone, benzylphenyl acetic acid anilide, N-benzylbenzanilide, 4,4'- bis-(dimethylamino)-thiobenzophenone, 4,4-bis(diacetylamino)benzophenone, 2-chlorobenzophenone, 4,4'- dihydroxybenzophenone, 2,4-dihydroxybenzophenone, 3,5- dimethoxy-4-hydroxybenzaldehyde hydrazine, 4- hydroxybenzophenone, 4-methoxybenzophenone, 3,4- dihydroxybenzophenone, p-anisic acid, p-anisic aldehyde, 3,4- dihydroxybenzaldehyde, 3,4-dihydroxybenzoic acid, 3,5-dimethoxy-4-hydroxybenzaldehyde, 3,5-dimethoxy-4- hydroxybenzoic acid, 4-hydroxybenzaldehyde, salicylaldehyde, vanillin, and van[n]ilic acid.

26. (Amended) The multicomponent system of [claims 1 or 2, characterized in that as component (e), it contains] claim 1, wherein the multicomponent system further comprises, as

component e), benzotriazole as a free amine, in the case of the in situ generation or reaction mediation in cascade form for hydroxybenzotriazol.

27. (Amended) The multicomponent system of [claims 1 and 2, characterized in that as oxidoreductases, it contains] claim 3, wherein the oxidoreductases comprise enzymes originating in white rotting fungus [Phanerochaete chrysosporium], Trametes versicolor ~~other fungi~~, bacteria, animals or plants, which enzymes are obtained from natural organisms or organisms that have been altered by gene technology.

28. (Amended) The multicomponent system of [claims 1 and 2, characterized in that as catalysts it contains] of claim 1, wherein the catalysts comprise modified enzymes, enzyme components, prosthetic groups or mimic substances[, preferably heme groups or compounds containing heme groups].

29. (Amended) The multicomponent system of claim 21, [characterized in that as] wherein the oxidizing agents [it contains] comprise oxygen, which is generated in situ by means of H_2O_2 + catalase or other systems or H_2O_2 from GOD+ glucose or other systems.

30. (Amended) The multicomponent system of claim 1, [claims 1 to 29, characterized in that it contains] further comprising cation-forming metal salts.

31. (Amended) The multicomponent system of claim 30, [characterized in that] wherein the cations are Fe^{2+} , Fe^{3+} , Mn^{2+} , Mn^{3+} , Mn^{4+} , Cu^+ , Cu^{2+} , Ti^{3+} , Ce^{4+} , Mg^{2+} , and Al^{3+} .

32. (Amended) The multicomponent system of claim 1, [claims 1 and 31, characterized in that in addition it contains] further comprising polysaccharides and/or proteins.

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33. (Amended) The multicomponent system of claim 1, [claims 1 to 32, characterized in that as] wherein the polysaccharides [it contains] are selected from the group consisting of glucanes, mannanes, dextrans, levans, pectins, alginates, [or] vegetable rubbers, and[/or] its own polysaccharides formed by the fungi or produced in a mixed culture with yeasts, and as proteins, it contains gelatin or albumin.

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34. (Amended) The multicomponent system of claim 1, wherein the additives [claims 1 to 33, characterized in that as the additives it contains] are selected from the group consisting of simple sugar, oligomer sugar, amino acids, polyethylene glycols, polyethylene oxides, polyethylene imines and polydimethyl siloxanes.

35. (Amended) A detergent comprising a multicomponent system wherein the [containing the multicomponent system of one of claims 1 to 34.] multicomponent system comprises

- a) optionally, at least one oxidation catalyst;
- b) at least one suitable oxidizing agent;
- c) at least one mediator, selected from the group [comprising] consisting of hydroxylamines, hydroxylamine derivatives, hydroxamic acids, hydroxamic acid derivatives, and [the] aliphatic, cycloaliphatic, heterocyclic or aromatic compounds that contain at least one N-hydroxy, oxime, N-oxy, or N,N'-dioxy function; and

- d) at least one comediator, selected from the group [comprising] consisting of aryl-substituted alcohols, carbonyl compounds, aliphatic ethers, phenol ethers, and[/or] olefins (alkenes); and]
- [e) optionally, a small quantity of at least one free amine of a respective mediator used].

36. (Amended) [The use of] A method of using a multicomponent system wherein the multicomponent system comprises [the multicomponent system of one of claims 1 to 35]

- a) optionally, at least one oxidation catalyst;
- b) at least one suitable oxidizing agent;
- c) at least one mediator, selected from the group [comprising] consisting of hydroxylamines, hydroxylamine derivatives, hydroxamic acids, hydroxamic acid derivatives, and [the] aliphatic, cycloaliphatic, heterocyclic or aromatic compounds that contain at least one N-hydroxy, oxime, N-oxy, or N,N'-dioxy function; and
- d) at least one comediator, selected from the group [comprising] consisting of aryl-substituted alcohols, carbonyl compounds, aliphatic ethers, phenol ethers, and[/or] olefins (alkenes); [and]
- [e) optionally, a small quantity of at least one free amine of a respective mediator used;]

adding as an additive to detergent formulations with detergent substances or detergent additives
known per se.

37. (Amended) The method as claimed in claim 36, wherein the multicomponent system [use of the multicomponent system of one of claims 1 to 36, characterized in that it] is used at a pH value between 2 and 12[, preferably between 4 and 10,] and at a temperature between 10°C and 60°C[, and preferably between 20°C and 40°C].